

Appl. No. 10/821,358
Amdt. Dated Oct. 19, 2005
Reply to Office Action of July 19, 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (canceled)

Claim 14 (new): A method for manufacturing a color filter, comprising:

preparing a transparent substrate;

forming a black matrix having a plurality of apertures on the substrate, the black matrix comprising an antireflection layer formed on the transparent substrate and a light-shielding layer formed on the antireflection layer; and

coating a color resin layer on the transparent substrate and the black matrix, wherein the color resin layer comprises RGB (red, green, blue) resins, the RGB resins respectively fill each three contiguous apertures, and each of the RGB resins comprises joint portions jointing adjacent resins, and the joint portions are lapped one over the other above corresponding portions of the black matrix.

Claim 15 (new): The method as claimed in claim 14, wherein the RGB resins cooperatively form a continuous, flat surface opposite to the transparent substrate.

Claim 16 (new): The method as claimed in claim 15, wherein at least one of the joint portions of each of the RGB resins is lapped above a whole surface of the corresponding portion of the black matrix.

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Claim 17 (new): The method as claimed in claim 16, wherein the antireflection layer comprises a first antireflection film, and a second antireflection film having an index of refraction different to that of the first antireflection film.

Claim 18 (new): A method for manufacturing a liquid crystal display device, comprising:

- preparing a transparent substrate;
- forming a black matrix having a plurality of apertures on the substrate,
- coating a color resin layer on the transparent substrate and the black matrix, wherein the color resin layer comprises RGB (red, green, blue) resins, the RGB resins respectively fill each three contiguous apertures, and each of the RGB resins comprises joint portions jointing adjacent resins, and the joint portions are lapped one over the other above corresponding portions of the black matrix, and the RGB resins cooperatively form a continuous, flat surface opposite to the transparent substrate;
- forming an ITO (Indium Tin Oxide) layer on the color resin layer;
- providing an electrode substrate having a TFT (thin film transistor layer) formed on an inner surface thereof, and forming a cavity between the ITO layer and the TFT layer; and
- filling a liquid crystal layer in the cavity.

Claim 19 (new): The method as claimed in claim 18, wherein at least one of the joint portions of each of the RGB resins is lapped above a whole surface of the corresponding portion of the black matrix.

Claim 20 (new): The method as claimed in claim 19, wherein the black matrix comprises an antireflection layer formed on the transparent substrate, and a light-shielding layer formed on the antireflection layer, and the antireflection layer comprises a first antireflection film, and a second

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antireflection film having an index of refraction different to that of the first
antireflection film.